

SEQUENCE LISTING



<110> Bayer HealthCare AG
 Greif, Gisela
 Hosse, Ralf
 Krucken, Jurgen
 Wunderlich, Frank

<121> Use of Novel Eimeria Gene and Corresponding Protein

<130> LeA 36 695

<140> US 10/562,324

<141> 2005-12-23

<150> PCT/EP2004/007080

<151> 2004-06-30

<150> DE10330235.2

<151> 2003-07-04

<160> 24

<170> PatentIn version 3.3

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<212> DNA

<213> Eimeria tenella

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 Met Arg Thr Ile Leu Ala Thr Leu Val Gly
 1 5 10

ttc aca gcc tgc gca gcc gtt gct gca gac gga gca cct gag tat cct 160
 Phe Thr Ala Cys Ala Ala Val Ala Ala Asp Gly Ala Pro Glu Tyr Pro
 15 20 25

tct cag ctt gca gtt gaa atc gat cca gaa gcg att att gcg atc cag 208
 Ser Gln Leu Ala Val Glu Ile Asp Pro Glu Ala Ile Ile Ala Ile Gln
 30 35 40

caa gat gca aac gcc gac cca cgt ctc ttt ttc cca ctg agc ggg ctt 256
 Gln Asp Ala Asn Ala Asp Pro Arg Leu Phe Phe Pro Leu Ser Gly Leu
 45 50 55

gtc tcc gcc aaa ctt gcc aaa gtc ttt caa ccc aac ata tac cca acc 304
 Val Ser Ala Lys Leu Ala Lys Val Phe Gln Pro Asn Ile Tyr Pro Thr
 60 65 70

cct cct agt ccc cag aca act tac cac ttt cac ctc cat cct cat ccc 352
 Pro Pro Ser Pro Gln Thr Thr Tyr His Phe His Leu His Pro His Pro
 75 80 85 90

cat tat ccg cat cct cag cca agt tat cct cat cct caa ccc cat cat 400
 His Tyr Pro His Pro Gln Pro Ser Tyr Pro His Pro Gln Pro His His
 95 100 105

cct cat cct cat cct tat cat cct cat cct cat ccc cat cat cct cat 448
 Pro His Pro His Pro Tyr His Pro His Pro His Pro His His Pro His
 110 115 120

cct cat ccc cat caa cat cct cat cgt cat ccc gac cat cat ccc cac Pro His Pro His Gln His Pro His Arg His Pro Asp His His Pro His 125 130 135	496
cat cat cct cac cat cat cat cat gaa cat aat gtt cat gtg cct caa His His Pro His His His His His Glu His Asn Val His Val Pro Gln 140 145 150	544
cat cag cac gct caa cac aac ggc cac cag aac aac ggt ggc cca gct His Gln His Ala Gln His Asn Gly His Gln Asn Asn Gly Gly Pro Ala 155 160 165 170	592
cat tat cac cat gac tac cat ttt gcg cat cct cat caa gag aac cag His Tyr His His Asp Tyr His Phe Ala His Pro His Gln Glu Asn Gln 175 180 185	640
cat cac cgc gag gaa gag cag ctt acc gac atc aac taa gctattggtc His His Arg Glu Glu Glu Gln Leu Thr Asp Ile Asn 190 195	689
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Pro Arg Leu Phe Phe Pro Leu Ser Gly Leu Val Ser Ala Lys Leu Ala 50 55 60
Lys Val Phe Gln Pro Asn Ile Tyr Pro Thr Pro Pro Ser Pro Gln Thr 65 70 75 80
Thr Tyr His Phe His Leu His Pro His Pro His Tyr Pro His Pro Gln 85 90 95

Pro Ser Tyr Pro His Pro Gln Pro His His Pro His Pro His Pro Tyr
 100 105 110

His Pro His Pro His Pro His His Pro His Pro His Pro His Gln His
 115 120 125

Pro His Arg His Pro Asp His His Pro His His His Pro His His His
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His His Glu His Asn Val His Val Pro Gln His Gln His Ala Gln His
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Asn Gly His Gln Asn Asn Gly Gly Pro Ala His Tyr His His Asp Tyr
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Gln Leu Thr Asp Ile Asn
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 aacggccacc agaacaacgg tggcccagct cattatcacc atgactacca ttttgcgcat 540
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